

ED55D-0313

Connecting Students and Citizen Scientists to Deep Space through the Goldstone Apple Valley Radio Telescope (GAVRT) Program

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REAL SCIENCE, REAL LEARNING---Run a radio telescope from anywhere in the world!
Join the GAVRT Team to partner with scientists to conduct cutting edge research leading to discovery. GAVRT allows students or citizen scientists to directly operate a 34-meter NASA radio astronomy telescope, while building essential problem solving and collaboration skills.

2021-2202 Scientific Campaigns

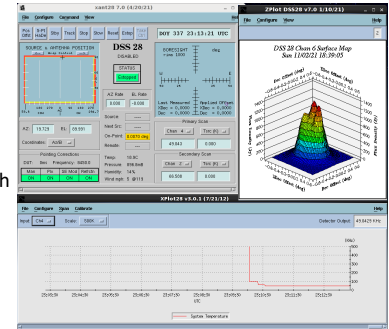
- Jupiter Quest/Juno
- SETI
- Black Hole Patrol
- Solar Patrol (beta testing)



A Unique Partnership

- The GAVRT Program is a partnership between NASA, the Jet Propulsion Laboratory, and the Lewis Center for Educational Research.
- NASA and JPL provide scientific expertise and the technical support and maintenance for the antennas.
- The Lewis Center for Educational Research provides curriculum support, participant training, session support, and facilitates communication with participating schools/groups.

GAVRT participants have an opportunity to join a science/education team to interpret their data, deepen their understanding of the specific campaign, and publish scientific papers. GAVRT participants are invited to special space science events as opportunities arise.



GAVRT antenna control screen



Core Principles

- (1)The data collected and analyzed must have real scientific value
- (2)Participants must get real educational value in return.



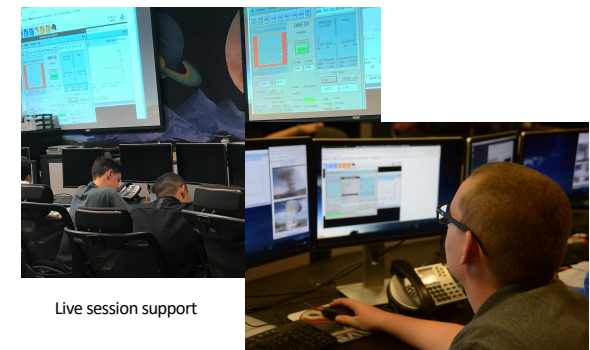
Visit our Website to:

- Join our mailing list
- Sign up for online training
- Find out more about each GAVRT Campaign
- Read our publications

*Also see GAVRT poster: ED55D-0313



GAVRT has reached over 600 teachers, 350 schools, 45 states, 15 countries, 3 U.S. territories, and 50,000+ students.



Live session support



Jet Propulsion Laboratory
California Institute of Technology